



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop AF

Appl. No. : 10/501,522 Confirmation No. 4666  
Applicant : Naoshi ADACHI et al.  
Filed : July 16, 2004  
TC/A.U. : 2812  
Examiner : Stanetta D. Issac  
Dkt. No. : ABE-025  
Cust. No. : 20374

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. 1.97(d)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 22, 2006

Sir:

The attention of the Patent and Trademark Office is hereby directed to the document listed on the attached Form PTO-1449. This document has been cited in an Office Action in a corresponding Korean application. One copy of the listed document and a copy of the Office Action is attached.

This Information Disclosure Statement is being submitted after issuance of a Final Office Action.

12/27/2006 MBERHE 00000016 10501522

01 FC:1886

180.00 0P

The undersigned hereby states that each item of information contained in this statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

The undersigned also hereby states that the information contained in this information disclosure statement was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement.

Applicants hereby petition that this information disclosure statement be considered by the Patent and Trademark Office. Form PTO-2038 in the amount of \$180.00 for the petition fee set forth in 37 C.F.R. §1.17(p) is attached.

Document FA is not in the English language. However, the concise explanation of the relevance of the document required under 37 CFR 1.98 is believed to be satisfied by submission of an English language machine translation thereof.

Please note that the European Patent document ("EP 0 191 476

U.S. Patent Appln. S.N. 10/501,522  
INFORMATION DISCLOSURE STATEMENT

**PATENT**

A2") cited in the Korean office action was submitted to the office in an IDS filed on July 16, 2004.

The Commissioner is authorized to charge Deposit Account No. 111833 for any additional fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

KUBOVCIK & KUBOVCIK



Keiko Tanaka Kubovcik  
Reg. No. 40,428

Atty. Case No. ABE-025  
The Farragut Building  
Suite 710  
900 17th Street, N.W.  
Washington, D.C. 20006  
Tel: (202) 887-9023  
Fax: (202) 887-9093  
KTK/jjk

Attachments: PTO-1449  
1 Document with English Translation  
Korean Office Action  
PTO-2038 for \$180.00



|  |                                    |                          |
|--|------------------------------------|--------------------------|
| INFORMATION DISCLOSURE STATEMENT<br><br>PTO-1449 | Atty. Docket No.<br>ABE-025        | Serial No.<br>10/501,522 |
|  | Applicant:<br>Naoshi ADACHI et al. |                          |
|  | Filing Date:<br>July 16, 2004      | Group:<br>2812           |

U.S. PATENT DOCUMENTS

| Examiner's Initial |    | Document No. | Date | Name | Class | Sub Class | Filing Date If appropriate |
|--------------------|----|--------------|------|------|-------|-----------|----------------------------|
|                    | UA |              |      |      |       |           |                            |
|                    | UB |              |      |      |       |           |                            |
|                    | UC |              |      |      |       |           |                            |
|                    | UD |              |      |      |       |           |                            |
|                    | UE |              |      |      |       |           |                            |
|                    | UF |              |      |      |       |           |                            |
|                    | UG |              |      |      |       |           |                            |

FOREIGN PATENT DOCUMENTS

| Examiner's Initial |    | Document No. | Date     | Country | Translation Yes/No/Partial |
|--------------------|----|--------------|----------|---------|----------------------------|
|                    | FA | 1998-69868 A | 10/26/98 | KR      | Translation                |
|                    | FB |              |          |         |                            |
|                    | FC |              |          |         |                            |
|                    | FD |              |          |         |                            |
|                    | FE |              |          |         |                            |
|                    | FF |              |          |         |                            |
|                    | FG |              |          |         |                            |

OTHER DOCUMENTS

| Examiner's Initial |    |  |
|--------------------|----|--|
|                    | DA |  |
|                    | DB |  |
|                    | DC |  |

|           |                  |
|-----------|------------------|
| Examiner: | Date Considered: |
|-----------|------------------|

KTK/jjk